1600

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/889,331A

CRF Processing Date: 01/10/03 1653

Edited by: DC

Verified by: _____ (STIC staff)

P#18

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

RECEIVED

JAN 15 2003

TECH CENTER 1600/2900

- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

1600

RAW SEQUENCE LISTING DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:04

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**


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 3 <110> APPLICANT: YOUNG, ANDREW A.
 4       GEDULIN, BRONISLAVA
 6 <120> TITLE OF INVENTION: METHODS FOR GLUCAGON SUPPRESSION
 8 <130> FILE REFERENCE: 030639.0031.UTL1 (249/167)
10 <140> CURRENT APPLICATION NUMBER: US 09/889,331A
11 <141> CURRENT FILING DATE: 2001-07-13
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/00942
14 <151> PRIOR FILING DATE: 2000-01-14
16 <150> PRIOR APPLICATION NUMBER: 60/116,380
17 <151> PRIOR FILING DATE: 1999-01-14
19 <150> PRIOR APPLICATION NUMBER: 60/132,017
20 <151> PRIOR FILING DATE: 1999-04-30
22 <150> PRIOR APPLICATION NUMBER: 60/175,365
23 <151> PRIOR FILING DATE: 2000-01-10
25 <160> NUMBER OF SEQ ID NOS: 239
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
W--> 28 Microsoft WORD 97 SR-2
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 39
32 <212> TYPE: PRT
33 <213> ORGANISM: Heloderma Horridum
35 <220> FEATURE:
36 <221> NAME/KEY: AMIDATION
37 <222> LOCATION: (39)
38 <223> OTHER INFORMATION: Ser in position 39 is amidated
40 <400> SEQUENCE: 1
41 His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
42  1               5                  10                  15
44 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
45             20                  25                  30
47 Ser Gly Ala Pro Pro Pro Ser
48         35
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 39
52 <212> TYPE: PRT
53 <213> ORGANISM: Heloderma Suspectum
55 <220> FEATURE:
56 <221> NAME/KEY: AMIDATION
57 <222> LOCATION: (39)
58 <223> OTHER INFORMATION: Ser in position 39 is amidated
60 <400> SEQUENCE: 2
61 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
62  1               5                  10                  15
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RAW SEQUENCE LISTING DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:04

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

```
64 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
65             20                  25                  30
67 Ser Gly Ala Pro Pro Pro Ser
68         35
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 30
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
77       Amino Acid Sequence
79 <400> SEQUENCE: 3
80 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
81  1               5                  10                  15
83 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
84             20                  25                  30
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 30
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
93       Amino Acid Sequence
95 <220> FEATURE:
96 <221> NAME/KEY: AMIDATION
97 <222> LOCATION: (30)
98 <223> OTHER INFORMATION: Gly in position 30 is amidated
100 <400> SEQUENCE: 4
101 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
102  1               5                  10                  15
104 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
105            20                  25                  30
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 30
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
114       Construct
116 <220> FEATURE:
117 <221> NAME/KEY: MOD_RES
118 <222> LOCATION: (30)
119 <223> OTHER INFORMATION: AMIDATION, Position 30 is Gly-NH2
121 <400> SEQUENCE: 5
122 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
123  1               5                  10                  15
125 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
126            20                  25                  30
128 <210> SEQ ID NO: 6
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RAW SEQUENCE LISTING DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:04

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

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129 <211> LENGTH: 28
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
135       Construct
137 <220> FEATURE:
138 <221> NAME/KEY: MOD_RES
139 <222> LOCATION: (28)
140 <223> OTHER INFORMATION: AMIDATION, Position 28 is Asn-NH2
142 <400> SEQUENCE: 6
143 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
144  1               5                  10                  15
146 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
147             20                  25
149 <210> SEQ ID NO: 7
150 <211> LENGTH: 39
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
156       Construct
158 <220> FEATURE:
159 <221> NAME/KEY: MOD_RES
160 <222> LOCATION: (30)
161 <223> OTHER INFORMATION: AMIDATION, Position 30 is Gly-NH2
163 <400> SEQUENCE: 7
164 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
165  1               5                  10                  15
167 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
168             20                  25                  30
170 Ser Gly Ala Pro Pro Pro Ser
171         35
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 28
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
180       Construct
182 <220> FEATURE:
183 <221> NAME/KEY: MOD_RES
184 <222> LOCATION: (28)
185 <223> OTHER INFORMATION: AMIDATION, Position 28 is Asn-NH2
187 <400> SEQUENCE: 8
188 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
189  1               5                  10                  15
191 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
192             20                  25
```

RAW SEQUENCE LISTING DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:04

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

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194 <210> SEQ ID NO: 9
195 <211> LENGTH: 28
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
201       Construct
203 <220> FEATURE:
204 <221> NAME/KEY: MOD_RES
205 <222> LOCATION: (28)
206 <223> OTHER INFORMATION: AMIDATION, Position 28 is Asn-NH2
208 <400> SEQUENCE: 9
209 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu Glu
210  1               5                  10                  15
212 Ala Val Arg Leu Ala Ile Glu Phe Leu Lys Asn
213         20                  25
216 <210> SEQ ID NO: 10
217 <211> LENGTH: 39
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
223       Construct
225 <220> FEATURE:
226 <221> NAME/KEY: MOD_RES
227 <222> LOCATION: (39)
228 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
230 <400> SEQUENCE: 10
231 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
232  1               5                  10                  15
234 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
235             20                  25                  30
237 Ser Gly Ala Pro Pro Pro Ser
238         35
240 <210> SEQ ID NO: 11
241 <211> LENGTH: 39
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
247       Construct
249 <220> FEATURE:
250 <221> NAME/KEY: MOD_RES
251 <222> LOCATION: (39)
252 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
254 <400> SEQUENCE: 11
255 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
256  1               5                  10                  15
258 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,331A

DATE: 01/10/2003
TIME: 09:27:04

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\01102003\I889331A.raw

```
259             20                  25                  30
261 Ser Gly Ala Pro Pro Pro Ser
262         35
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 39
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
271       Construct
273 <220> FEATURE:
274 <221> NAME/KEY: MOD_RES
275 <222> LOCATION: (39)
276 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
278 <400> SEQUENCE: 12
279 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
280  1               5                  10                  15
282 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
283             20                  25                  30
285 Ser Gly Ala Pro Pro Pro Ser
286         35
288 <210> SEQ ID NO: 13
289 <211> LENGTH: 39
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
295       Construct
297 <220> FEATURE:
298 <221> NAME/KEY: MOD_RES
299 <222> LOCATION: (39)
300 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
302 <400> SEQUENCE: 13
303 Tyr Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
304  1               5                  10                  15
306 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
307             20                  25                  30
309 Ser Gly Ala Pro Pro Pro Ser
310         35
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 39
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319       Construct
321 <220> FEATURE:
322 <221> NAME/KEY: MOD_RES
323 <222> LOCATION: (39)
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:05

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; Xaa Pos. 6
Seq#:21; Xaa Pos. 10
Seq#:22; Xaa Pos. 10
Seq#:23; Xaa Pos. 14
Seq#:24; Xaa Pos. 14
Seq#:25; Xaa Pos. 22
Seq#:29; Xaa Pos. 23
Seq#:32; Xaa Pos. 31,36,37,38
Seq#:33; Xaa Pos. 36,37,38
Seq#:34; Xaa Pos. 31,36,37,38
Seq#:35; Xaa Pos. 36,37,38
Seq#:36; Xaa Pos. 31,36,37,38
Seq#:37; Xaa Pos. 31,36,37,38
Seq#:38; Xaa Pos. 31,36,37,38
Seq#:39; Xaa Pos. 36,37,38
Seq#:40; Xaa Pos. 31,36,37,38
Seq#:41; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:41; Xaa Pos. 24,25,26,27,28,29
Seq#:42; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23
Seq#:42; Xaa Pos. 24,25,26,27,28,29
Seq#:43; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:43; Xaa Pos. 25,26,27,28,29
Seq#:44; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23
Seq#:44; Xaa Pos. 24,25,26,27,28,29
Seq#:45; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24
Seq#:45; Xaa Pos. 25,26,27,28
Seq#:46; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23
Seq#:46; Xaa Pos. 24,25,26,27,28
Seq#:47; Xaa Pos. 1,2,3,6,7,8,9,10,14,22,23,24,25,31,36,37,38,39,40
Seq#:48; Xaa Pos. 1,2,3,6,7,8,9,10,14,22,23,24,25,27,30,35,36,37,38,39,40
Seq#:91; Xaa Pos. 31,36,37,38
Seq#:92; Xaa Pos. 36,37,38
Seq#:93; Xaa Pos. 31
Seq#:94; Xaa Pos. 31,36,37
Seq#:95; Xaa Pos. 31,36,37
Seq#:96; Xaa Pos. 31,36
Seq#:99; Xaa Pos. 6
Seq#:103; Xaa Pos. 10
Seq#:104; Xaa Pos. 22
Seq#:105; Xaa Pos. 23
Seq#:109; Xaa Pos. 31,36,37
Seq#:110; Xaa Pos. 1,26
Seq#:111; Xaa Pos. 1,26
Seq#:112; Xaa Pos. 1,26

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:05

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

Seq#:113; Xaa Pos. 1,26
Seq#:114; Xaa Pos. 1,27
Seq#:115; Xaa Pos. 1,27
Seq#:116; Xaa Pos. 1,27
Seq#:117; Xaa Pos. 1,27
Seq#:133; Xaa Pos. 6
Seq#:134; Xaa Pos. 6
Seq#:145; Xaa Pos. 10
Seq#:146; Xaa Pos. 10
Seq#:155; Xaa Pos. 14
Seq#:156; Xaa Pos. 14
Seq#:169; Xaa Pos. 22
Seq#:170; Xaa Pos. 22
Seq#:173; Xaa Pos. 23
Seq#:174; Xaa Pos. 23
Seq#:199; Xaa Pos. 31,36,37,38
Seq#:200; Xaa Pos. 36,37,38
Seq#:201; Xaa Pos. 31,36,37
Seq#:202; Xaa Pos. 31,36
Seq#:207; Xaa Pos. 1,26
Seq#:208; Xaa Pos. 1,26
Seq#:209; Xaa Pos. 1,26
Seq#:210; Xaa Pos. 1,26
Seq#:211; Xaa Pos. 1,27
Seq#:212; Xaa Pos. 1,27
Seq#:213; Xaa Pos. 1,27
Seq#:214; Xaa Pos. 1,27
Seq#:215; Xaa Pos. 27
Seq#:216; Xaa Pos. 27
Seq#:217; Xaa Pos. 27
Seq#:218; Xaa Pos. 27
Seq#:219; Xaa Pos. 28
Seq#:220; Xaa Pos. 28
Seq#:221; Xaa Pos. 28
Seq#:222; Xaa Pos. 28

VERIFICATION SUMMARY DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:05

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

L:28 M:259 W: Allowed number of lines exceeded, <170> SOFTWARE:
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:16
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:16
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:32
L:834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:32
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:16
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:32
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:32
L:928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:16
L:931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:32
L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:32
L:996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:32
L:1028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
L:1062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:32
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:16
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:16
L:1514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:16
L:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:16
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:16
L:1972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:16
L:2085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:16
L:2091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:32
L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:2203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:16
L:2206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:32
L:3154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:16
L:3157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:32
L:3187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:32
L:3213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:16
L:3247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:16
L:3250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:32
L:3282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:16

VERIFICATION SUMMARY DATE: 01/10/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 09:27:05

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01102003\I889331A.raw**

L:3285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:32
L:3316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:16
L:3319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:32

1600

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,331A

DATE: 01/07/2003
TIME: 14:03:36

Input Set : A:\030639.0031.UTL1 Amended Sequence Listing.txt
Output Set: N:\CRF4\01072003\I889331A.raw

```
  3 <110> APPLICANT: YOUNG, ANDREW A.
  4       GEDULIN, BRONISLAVA
  6 <120> TITLE OF INVENTION: METHODS FOR GLUCAGON SUPPRESSION
  8 <130> FILE REFERENCE: 030639.0031.UTL1 (249/167)
 10 <140> CURRENT APPLICATION NUMBER: US 09/889,331A
 11 <141> CURRENT FILING DATE: 2001-07-13
 13 <150> PRIOR APPLICATION NUMBER: PCT/US00/00942
 14 <151> PRIOR FILING DATE: 2000-01-14
 16 <150> PRIOR APPLICATION NUMBER: 60/116,380
 17 <151> PRIOR FILING DATE: 1999-01-14
 19 <150> PRIOR APPLICATION NUMBER: 60/132,017
 20 <151> PRIOR FILING DATE: 1999-04-30
 22 <150> PRIOR APPLICATION NUMBER: 60/175,365
 23 <151> PRIOR FILING DATE: 2000-01-10
 25 <160> NUMBER OF SEQ ID NOS: 239
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
W--> 28 Microsoft WORD 97 SR-2
```

ERRORED SEQUENCES

```
6836 <210> SEQ ID NO: 239
6837 <211> LENGTH: 39
6838 <212> TYPE: PRT
6839 <213> ORGANISM: Artificial Sequence
6841 <220> FEATURE:
6842 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
6843       Amino Acid Sequence
6845 <220> FEATURE:
6846 <221> NAME/KEY: MOD_RES
6847 <222> LOCATION: (30)
6848 <223> OTHER INFORMATION: Lys-PEG
6850 <220> FEATURE:
6851 <221> NAME/KEY: AMIDATION
6852 <222> LOCATION: (39)
6853 <223> OTHER INFORMATION: Ser in position 39 is amidated
6855 <400> SEQUENCE: 239
6856 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
6857   1               5                  10                  15
6859 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Lys Pro Ser
6860              20                  25                  30
6862 Ser Gly Ala Pro Pro Pro Ser
6863          35
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,331A

DATE: 01/07/2003
TIME: 14:03:40

Input Set : A:\030639.0031.UTL1 Amended Sequence Listing.txt
Output Set: N:\CRF4\01072003\I889331A.raw

E--> 6866 102
E--> 6869 4 delete

VERIFICATION SUMMARY DATE: 01/07/2003
PATENT APPLICATION: **US/09/889,331A** TIME: 14:03:41

Input Set : **A:\030639.0031.UTL1 Amended Sequence Listing.txt**
Output Set: **N:\CRF4\01072003\I889331A.raw**

L:28 M:259 W: Allowed number of lines exceeded, <170> SOFTWARE:
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:16
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:16
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:32
L:834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:32
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:16
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:32
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:32
L:928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:16
L:931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:32
L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:32
L:996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:32
L:1028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
L:1062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:32
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:16
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:16
L:1514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:16
L:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:16
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:16
L:1972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:16
L:2085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:16
L:2091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:32
L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:2203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:16
L:2206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:32
L:3154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:16
L:3157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:32
L:3187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:32
L:3213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:16
L:3247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:16
L:3250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:32
L:3282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:16

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L:3285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:32
L:3316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:16
L:3319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:32
L:6866 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:239
M:332 Repeated in SeqNo=239